

ABSTRACT OF THE DISCLOSURE

A noncontact type signal transmission device performs noncontact transmission of signals between a first member and a second member by using light.

5 The second member moves along a predetermined orbit relative to the first member. A plurality of light-emitting devices are arranged on one of the first and second members. A plurality of light-receiving devices are arranged on the other of the first and second
10 members. Light emitted from the light-emitting devices is received by the light-receiving devices. Beam condensing devices are disposed between the light-emitting devices and the light-receiving devices. Each beam condensing device has a function of
15 condensing light from the light-emitting device in a direction substantially perpendicular to the orbit. The function of each beam condensing device is to increase the amount of light received by each light-receiving device and to improve light reception
20 sensitivity.